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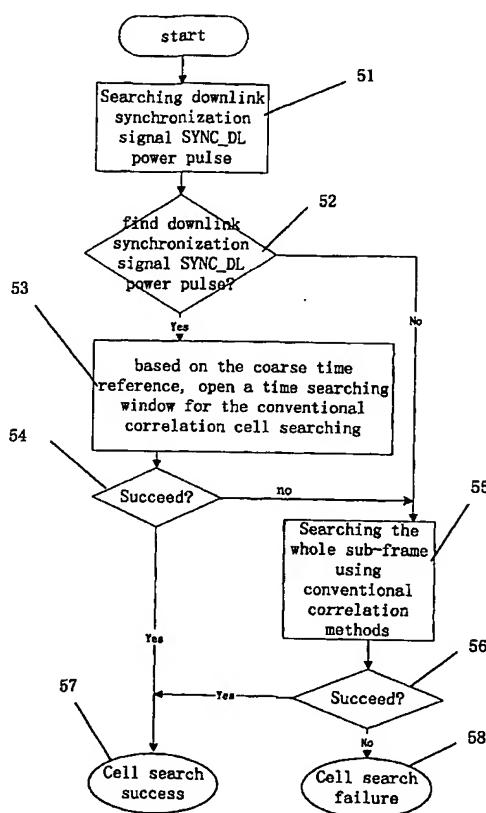
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(54) Title: A METHOD AND DEVICE OF CELL SEARCH FOR MOBILE TERMINAL IN TDD-CDMA SYSTEM



(57) Abstract: A cell-searching method and device for a mobile terminal in TDD-CDMA system, in which the mobile uses the special power pulse of using the downlink pilot slot (DwPTS) to acquire coarse synchronization before using conventional correlation cell searching to refine the search. Due to the coarse synchronization, the conventional correlation cell search can be limited to a narrow time window. So the cell searching complexity and searching time in the TDD-CDMA system, especially TD-SCDMA decrease greatly.

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